Respectfully submitted,

Woodling, Krost and Rust

Kenneth L. Mitchell

Patent Attorney, Reg. No. 36,873

Kenneth 1. Willeling

Registered Professional Engineer

Karl V. Kurple

Patent Agent, Reg. No. 57, 440

Woodling, Krost and Rust

9213 Chillicothe Road

Kirtland, Ohio 44094

phone nos. 440-256-4150;

fax nos. 440-256-7453;

cell no. 440-487-2694

clevepat@aol.com

## Claims:

- 1. (Currently Amended) Scraper, which is meant to be used particularly as a surface scraper in a fluid basin, such as a clarification basin or like, or as an oil containment boom or like and, which comprises an elongated, at least tension transmitting flexible structure, which is formed of formed pieces (X), being coupled with each other one after the other in a longitudinal direction (s) and that are arranged known as such to twist in respect with each other in the first place (w1) round an axis standing in a direction of height (h) and on the other hand (w2) round an essentially longitudinal axis(s) by means of a joint arrangement (N; N'), comprising edge projections (N1), existing in a preceding formed piece one below the other in the direction of height (h) of the formed piece, and a centre projection (N2), existing in the following formed piece and that is to be placed between the above edge projections, characterized in that the specific weight of the scraper is arranged essentially lighter than water by using a formed piece (X) with a hollow frame (XR) particularly in order to enable its use filled with air or flotation material.
- 2. (Currently Amended) Scraper according to claim 1, **characterized** in that in an essentially stiff-structured frame (XR) of the formed piece (X) there is arranged, preferably on quick-release principle, a <del>removeably</del> removably attachable skirt part (XH), which is manufactured from essentially softer/more flexible

material than the frame (XR) of the formed piece.

- 3. (Currently Amended) Scraper according to claim 1 or 2, characterized in that in the lower part of the formed piece (X), such as at a lower edge of a skirt part (XH), there is arranged an auxiliary weight arrangement (LP) particularly for keeping a floating formed piece in an essentially vertical position.
- 4. (Currently Amended) Scraper according to claim 2 or 3, characterized in that the frame (XR) of the formed piece is manufactured from polyprophylene polypropylene or like and the skirt part (XH) from polyurethane[[,]] or rubber or like.
- 5. (Currently Amended) Scraper according to <u>claim 2 any of the preceding claims 2-4</u>, **characterized** in that the skirt part (XH) has fin-like or like stiffening/sealing arrangements (XHL, XHL'), projecting outwards (r) from its outer surface and which are arranged to enable twisting (w1) of the successive formed pieces with respect to each other round a rotation axis existing essentially in the direction of height (h).
- 6. (Currently Amended) Scraper according to claim 5, **characterized** in that a bottom fin (XHL') belonging to the stiffening/sealing arrangement is arranged to rise in the direction of height (h) towards the other end of the formed piece (X) particularly to enable twisting of the successive formed pieces with respect to each other on the so called lap joint -principle.

- 7. (Currently Amended) Scraper according to claim 1, the joint arrangement (N; N') of which comprises a hole (R) for a joint pin (T) or a like in said projections (N1, N2), the hole existing essentially in the direction of height (h), characterized in that the upper and lower edges of the centre projection (N2) are arranged arched and the hole therein (R; R') expands to expand, when viewed in a cross section, from the centre projection's (N2) middle towards its upper and lower edges.
- 8. (Currently Amended) Scraper according to Claim 1 any of the preceding claims 1 7, characterized in that each formed piece (X) of the scraper is mutually alike in a way that on its first joint surface there are edge projections (N1) and on the other joint surface there exists the centre projection (N2).